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City College of New York

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2020

### Experimental Psychology

Bianca Vidal  
*CUNY City College*

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**Professor: Bianca Vidal, Ph.D.**

**Office Hours:** by appointment Thursdays 5:30pm-6:30pm via Collaborate Ultra

**Email:** bvidal@ccny.cuny.edu

**Course Information:**

Fall 2020

Experimental Psychology- PSY 32100, Section TU

OER/ZTC

T, Th 6:30pm-9pm via Blackboard Collaborate Ultra

City College of NY, City University of New York

**Course Description:**

The application of research methods to psychological problems. Techniques of formulating and investigating a problem and use of laboratory equipment are stressed. Experiments are performed in representative areas of psychology. Prereq: Psych 10200 (Intro) and 21500 (Stats). Required for Psychology majors.

**Required Text:** PDF AVAILABLE ON BLACKBOARD

Jhangiani, R.S., Chiang, I.A., & Leighton, D.C. (2019). *Research Methods in Psychology*. 4<sup>th</sup> Edition. Independently Published.

**ISBN-10:** 1085976920

When reading the textbook BE an active reader. Underline key points. Make notes in the margin. Constantly ask yourself questions such as “What should I remember from this chapter?” and “How does this connect to other things I already know?” Active reading is more gratifying than passive reading—and produces better scores on exams and quizzes.

**Course Objectives:**

- Have the tools to pursue their own research questions
- Act ethically, both in the conduct of research and in their everyday interactions
- Demonstrate effective communication skills in oral, written, and numerical formats.
- Conduct research and evaluate research by others, including evaluating hypotheses, research designs, research findings, and theories and formulating questions and hypotheses, designing research protocols, and analyzing research findings, using appropriate statistical procedures and statistical software packages.

- Acquire and apply critical thinking to the content of a discipline and to practical problems they confront in other settings, including: evaluating fact-based evidence, engaging in both inductive and deductive logical reasoning, identifying and considering multiple points of view and applying the above processes to problem-solving.
- Understand basic and more advanced psychological theories, principles, and concepts in a variety of areas such as, human development, social interaction, psychopathology, cognitive processes, and the biological bases of behavior.

### **Course Netiquette:**

- Be prepared and have all the pages we will be discussing read.
- Log on to class on time and have your microphone on mute but ready to unmute when called on.
- Class will begin promptly at 6:30pm and will end at 9pm. Please refrain from engaging in other tasks during the online session as it is disruptive to me and to others around you.
- Meaningful and constructive dialogue is encouraged in this course and requires a willingness to listen, a tolerance for different points of view, and mutual respect from all participants.
- Attendance at live sessions is a necessary part of this course.
- You are required to work with a partner on certain activities on Blackboard.
- You are required to download the CUNY Virtual Desktop to be able to use SPSS. Towards the end of the semester most activities will be using SPSS.
- You are required to have a Gmail account so that you can use google docs.
- You are required to put a picture of yourself in your blackboard account so that I and others can know who we are speaking to.

### **How to do well in PSY 32100:**

- ✓ COMPLETE the readings before each class.
- ✓ OUTLINE or take notes on the readings
- ✓ PARTICIPATE in class discussions, activities, and engage in critical thinking.
- ✓ ASK questions before, during, or after each class.
- ✓ CHECK Blackboard regularly for announcements, resources, discussions, and more.

### **Course Format:**

Due to the Coronavirus, this course will be offered completely online to the end of the semester. Students are required to sign in through Collaborative Ultra and be present throughout the class period. Collaborative Ultra is a function of Blackboard that allows us to hold discussions remotely. Students can virtually attend the course. Lectures will begin promptly at 6:30pm. Lectures will be as

interactive as possible, giving students a chance to ask questions throughout the lesson. Students are required to complete activities throughout the lectures.

Click [here](#) to see how Collaborate Ultra works.

### **Attendance and participation are course requirements.**

#### **Attendance:**

- All Students are expected to log onto Collaborate Ultra at 6:30pm and remain logged on until the end of class. Microphones need to be turned on **only** to ask or answer a question.
- Students will be dropped from the course for excessive absence. No distinction is made between excused and unexcused absences.
- ***It is the College policy that missing more than 3 class sessions for this 4-credit course constitutes excessive absence and will result in an automatic WU grade for the course.*** A grade WU counts the same as an F for your GPA.

#### **Grading:**

<b>Assessment</b>	<b>Points Possible</b>
1. Collaborate Ultra attendance and participation	10%
2. Class Activities	15%
3. 3 exams (10% each)	30%
4. Draft	5%
5. Final Paper	20%
6. Final exam (cumulative)	20%
Total Points Possible	100%

Letter Grade	%	Letter Grade	%
A+	97-100%	B-	80-82%
A	93-96%	C+	77-79%
A-	90-92%	C	70-76%
B+	87-89%	D	60-69%
B	83-86%	F	0-59%

**Extra Credit:** Extra credit assignments will be announced a week before they are due.

**Policies for Dishonorable Conduct and Cheating:**

You are required to abide by the CUNY policies on dishonorable conduct. Familiarize yourself with this policy, you can view it [here](#).

**\*\*If cheating or plagiarism occurs, I will fully enforce the current policies. \*\***

**Writing Center:** The CCNY Writing Center offers one-on-one assistance for students working on writing assignments and projects from across the disciplines. You should visit them whenever you need someone to listen to your ideas, discuss your topics or assignments, and read your drafts. Tutors will work with you on planning, drafting, and revising. Tel: 212-784-6065  
Email: [writingcenter@ccny.cuny.edu](mailto:writingcenter@ccny.cuny.edu) Tutoring is available via google hangouts.

**The Office of Student Disability Services:** The AccessAbility Center/Student Disability Services ensures equal access and full participation to all of City College's programs, services, and activities by coordinating and implementing appropriate accommodations. If you are a student with a disability who requires accommodations and services, please visit the office in NAC 1/218, or contact AAC/SDS via email ([disabilityservices@ccny.cuny.edu](mailto:disabilityservices@ccny.cuny.edu)), or phone (212-650-5913 or TTY/TTD 212-650-8441). Further information can be found [here](#).

**Institutional Review Board (IRB) Certification Training**

To be able to use participant research data, you are required to complete an on-line course for IRB certification. This online program is called CITI (Collaborative Institutional Training Initiative). This consists of several content sections, each of which is followed by a brief online quiz. You must receive a score *of 80% or more to pass each quiz*, although you may retake a quiz as many times as you need to. The full course will require approximately 3 hours to complete. You can save your progress between sessions, so you do not have to do all sections at the same time. When you complete the training, you must submit the certificate to me via email DUE 9/3/2020. Click [here](#) to register and follow the instructions provided on blackboard.

**Written Research Assignments: DRAFT DUE – 10/29. FINAL DRAFT DUE – 11/17.**

This course requires a written assignment based on a course research project. This paper must be 100% original and individual, you cannot collaborate. Detailed instructions on the assignment is provided separately and posted on Blackboard in the folder "Final Paper".

**Late work will not be accepted!**

## **Blackboard**

To log onto blackboard, you must first register your [CUNY portal account](#).

Once inside the portal, you will click on the link for Blackboard. There you will find a listing of all the CCNY course for which you are currently enrolled. If you have trouble logging onto Blackboard call 212-650-6990 or email [bbsupport@ccny.cuny.edu](mailto:bbsupport@ccny.cuny.edu)

## **SPSS**

You must install the CUNY Virtual Desktop for you to use SPSS. Click [here](#) for detailed instructions.

## **GOOGLE DOCS**

You must have a Gmail account to be able to use google docs. Please visit [gmail.com](http://gmail.com) and create an account if you do not have one already.

Click [here](#) for a tutorial on how to use google docs.

## **How this course works**

This is a synchronous course in which you are expected to be logged in from 6:30pm – 9pm. At the start of class I will notate who is logged on. If you have issues logging on, please email me and let me know. I can provide you with a number to call in and listen to the lecture while you continue to try to log on. Throughout the lecture I will call on students so be prepared to activate your microphone to respond.

If you want to respond to a question or have one of your own, you can click on the “raising hand” icon and I will call on you. All lectures are recorded so if you miss anything you can always go back to view it. Once the lecture is done, I will provide you with instructions on the activities. ALL ACTIVITIES are found in the “Class Activities” folder once the lecture has finished. You will work with a partner in the “break out rooms”. Here you can discuss via the microphone the activity and using google docs you can both work on the answers. Afterwards I will regroup the class and we will discuss the answers. All work must be submitted on blackboard in the same “class activities” folder. One submission per group or pair. Be prepared to discuss your answers.

**EXPERIMENTAL PSYCHOLOGY 32100  
FALL 2020 AUGUST 26– DECEMBER 19**

**SYNCHRONOUS ONLINE SCHEDULE  
PROFESSOR VIDAL**

<b>DATE</b>	<b>READING/WATCH</b>	<b>DISCUSS</b>	<b>ASSIGNMENTS DUE/ CLASS ACTIVITIES</b>	<b>CLASS ACTIVITIES DUE DATES</b>
<b>Th 8/27</b>	<b>Welcome back!</b>	Review of Syllabus Introduction to course	CITI IRB training class activity	Due on 9/3 by 6pm
<b>T 9/1</b>	<b>CH 1:</b> The Science of Psychology  <u>John Oliver Clip about Scientific Studies</u>	Discuss the scientific method and the importance of replication studies	Research ideas Activity	Due on 9/1 by 9pm
<b>9/3</b>	<b>CH 2:</b> Overview of the scientific methods	Discuss the various qualitative methods and sampling techniques	<b><u>CITI CERTIFICATE DUE TODAY</u></b> Causality Exercise	Causality Exercise due on 9/3 by 9pm
<b>9/8</b>	<b>CH 2:</b> Overview of the scientific methods	Discuss the various qualitative methods and sampling techniques	Sampling Activity	Sampling activity due on 9/8 by 9pm
<b>9/10</b>	<b>CH 3:</b> Research Ethics <u>Little Albert Clip, Big Bang Theory Clip</u>	Begin discussion on ethics, consent, and purpose of the IRB	Ethics Activity 1 – read a selection of past studies and list ethical issues and how to remedy them.	Activity 1 due 9/10 by 9pm
<b>9/15</b>	<b>CH 3:</b> Research Ethics <u>Zimbardo Clip</u>	Continue discussion on ethics, consent, and purpose of the IRB	Ethics Activity 2 – read study proposals and have students accept or reject them as if on the IRB committee	Activity 2 Due 9/15 by 9pm

DATE	READING/WATCH	DISCUSS	ASSIGNMENTS DUE/ CLASS ACTIVITIES	CLASS ACTIVITIES DUE DATES
9/17	CH 4: Psychological Measurement	Discussion on nonexperimental methods with a focus on questionnaires	<u>Article review 1 due TODAY</u>  Creation of questionnaire with a partner	Due 9/17 by 9pm
9/22	<u>EXAM 1</u>		<u>The exam will be hosted on blackboard</u>	
9/24	CH 5: Experimental Research	Discussing the steps to create a good experiment and importance of operational definitions	Identifying confounds activity 1	Due 9/24 by 9pm
9/29			<b>MONDAY SCHEDULE</b>	
10/1	CH 5: Experimental Research	<i>Discussion about the class experiment</i>  Discussing the steps to create a good experiment	Identifying confounds activity 2	Due 10/1 by 9pm
10/6	CH 6: Nonexperimental Research  <u>Sponge Bob clip</u>	Discuss correlational, qualitative, and observational research	Operational definitions activity	Due 10/6 by 9pm
10/8	CH 6: Nonexperimental Research	Continue discussing correlational, qualitative, and observational research	Little League Activity	Due 10/8 by 9pm



<b>DATE</b>	<b>READING/WATCH</b>	<b>DISCUSS</b>	<b>ASSIGNMENTS DUE/ CLASS ACTIVITIES</b>	<b>CLASS ACTIVITIES DUE DATES</b>
<b>10/13</b>	<b>CH 7:</b> Survey Research	Steps into creating a good survey	<b>Consent forms due TODAY</b>  Operational definitions activity 2	Due 10/13 by 9pm
<b>10/15</b>	<b>CH 11:</b> Presenting your research	Discuss the APA format for the final paper	Find 4 research articles for the class experiment	Due 10/19 by 9pm
<b>10/20</b>	<b>CH 8:</b> Quasi-experimental research	Discuss the threats to internal and external validity	MRS SMITH Activity	Due 10/20 by 9pm
<b>10/22</b>	<b><u>EXAM 2</u></b>		<b><u>The exam will be hosted on blackboard</u></b>	
<b>10/27</b>	<b>CH 9:</b> Factorial Design	Begin discussing the importance of statistical analysis	Introduction to SPSS  Correlation SPSS Activity	Due 10/27 by 9pm
<b>10/29</b>	<b>CH 9:</b> Factorial Design	Begin discussing t test	SPSS Activity 1  <b><u>DRAFT DUE TODAY</u></b>	Due 10/29 by 9pm
<b>11/3</b>	<b>CH 12:</b> Descriptive Statistics	Discuss two group design, t test and how to interpret output	Independent t test activity	Due 11/3 by 9pm
<b>11/5</b>	<b>CH 12:</b> Descriptive Statistics	Discuss two group design, t test and how to interpret output	SPSS- Paired t test activity	Due 11/5 by 9pm
<b>11/10</b>	<b>CH 13:</b> Inferential Statistics	Discuss multiple group design, one-way ANOVA and	SPSS- One-Way ANOVA activity 1	Due 11/10 by 9pm

DATE	READING/WATCH	DISCUSS	ASSIGNMENTS DUE/ CLASS ACTIVITIES	CLASS ACTIVITIES DUE DATES
		how to interpret its output		
11/12	CH 13: Inferential Statistics	Discuss multiple group design, one-way ANOVA and how to interpret its output	SPSS- One-Way ANOVA activity 2	Due 11/12 by 9pm
11/17	Multiple IVs Notes on BB	Discuss factorial design, two-way ANOVA and how to interpret its output	<b><u>FINAL PAPER DUE TODAY</u></b> Two-Way ANOVA activity 1	Due 11/17 by 9pm
11/19	Multiple IVs Notes on BB	Discuss factorial design, two-way ANOVA and how to interpret its output	Two-Way ANOVA activity 2	Due 11/19 by 9pm
11/24	<b>EXAM 3</b>		<b><u>The exam will be hosted on blackboard</u></b>	
11/26			<b><u>COLLEGE CLOSED</u></b>	
12/1	Alternative research designs Notes on BB	Discussion of Alternative Designs	Identify design and statistical analysis activity	Due 12/1 by 9pm
12/3	TBA	TBA	TBA	Due 12/3 by 9pm
12/8	REVIEW	Review all chapters with a special focus on the chapters that students had the most trouble with	JEAPORDY GAME	

<b>DATE</b>	<b>READING/WATCH</b>	<b>DISCUSS</b>	<b>ASSIGNMENTS DUE/ CLASS ACTIVITIES</b>	<b>CLASS ACTIVITIES DUE DATES</b>
<b>12/1? TBA</b>	<b>FINAL EXAM</b>		<b>Cumulative Departmental Exam hosted on blackboard 6pm-8:15pm</b>	